

**AMENDED CLAIM SET:**

1. (currently amended) ~~A method for manufacturing a sealed monolithic electrochromic system, which method comprises the following method steps:—~~ application of electrolyte to comprising a pattern of a porous structure located on a substrate, which structure constitutes at least one monolithic electrochemical cell and comprises a working electrode, an insulating layer and a counterelectrode, and an electrolyte absorbed in said porous substrate, wherein ~~—application of a sealing material surrounds surrounding said porous structure to form at least one sealed monolithic electrochemical system comprising a front plane consisting of said substrate and the porous structure and a rear plane consisting of the sealing material characterized in that the following method steps are performed after said application of electrolyte:—~~ and wherein said front plane and rear plane are heated and pressed together, ~~sealing and sealed~~ along the edge of the pattern of the porous structure ~~being permitted~~ by virtue of a plastic layer forming part of the sealing material being melted and joined together with said front plane.

2. - 15. (cancelled).

16. (currently amended) A sealed monolithic electrochromic system comprising a substrate supporting a pattern, located on said substrate, of a porous structure which comprises a working

electrode, an insulating layer, and a counterelectrode, electrolyte absorbed in said porous structure ~~substrate~~ for forming at least one electrochemical cell, and contacts for said working electrode and said counterelectrode ~~electrodes~~ for interconnection with at least one electric circuit and a sealing material located on said substrate and covering said porous structure, characterized in that the sealing material comprises an adhesion ply ~~19A~~ of plastic which is applied to said substrate and porous structure and a laminate ~~19B, 19C~~ comprising at least an adhesion layer ~~19B~~ and a barrier layer ~~19C~~, in which the adhesion layer ~~19B~~ is placed over said adhesion ply ~~19A~~, and in that said substrate, porous structure and sealing material are joined together to form a sealed monolithic electrochromic system by melting the substrate, the adhesion ply ~~19A~~ and the adhesion layer ~~19B~~ together.

17. (currently amended) The sealed monolithic electrochromic system as claimed in claim 16, characterized in that said barrier layer ~~19C~~ consists of a metal foil.

18. (cancelled).